



# SPYWOLF

## Security Audit Report

### TESTNET



Completed on  
**December 17, 2023**

@SPYWOLFNETWORK



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SPYWOLF.CO





# OVERVIEW

This audit has been prepared for **Monstro** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# Monstro



## PROJECT DESCRIPTION

### According to their whitepaper:

“Designed for both treasure-seekers and discerning investors, our world blends the allure of vibrant characters and the promise of a consistent, passive income.

Let's make DeFi fun again! Whatever your pursuit, Monstro's Universe has treasures to match your aspirations.”

**Release Date:** Launching in December, 2023

**Category:** Staking



# CONTRACT INFO

Token Name	Symbol
MonstroDegenzS1	N/A
Contract Address	
0xDEE41889e01AFE01270271d577cB50bf133E39C0	
Network	Language
Ethereum goerli <b>TESTNET</b>	Solidity
Deployment Date	Contract Type
Dec 15, 2023	Staking
Total Supply	Status
N/A	Launched

## TAXES



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat





# TOKEN TRANSFERS STATS

Transfer Count	TESTNET
Uniq Senders	TESTNET
Uniq Receivers	TESTNET
Total Amount	TESTNET
Median Transfer Amount	TESTNET
Average Transfer Amount	TESTNET
First transfer date	TESTNET
Last transfer date	TESTNET
Days token transferred	TESTNET

# SMART CONTRACT STATS

Calls Count	TESTNET
External calls	TESTNET
Internal calls	TESTNET
Transactions count	TESTNET
Uniq Callers	TESTNET
Days contract called	TESTNET
Last transaction time	TESTNET
Created	TESTNET
Create TX	TESTNET
Creator	TESTNET



# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

---

Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.





# FOUND THREATS

## High Risk

No high risk-level threats found in this contract.

## Medium Risk

No medium risk-level threats found in this contract.

## Low Risk

No low risk-level threats found in this contract.



## Informational

Owner can stop new deposits and reinvestments, but cannot stop rewards claiming.

```
function toggleDepositsAndReinvests() public onlyOwner {  
    depositsAndReinvestsPaused = !depositsAndReinvestsPaused;  
    emit DepositsAndReinvestsToggled(depositsAndReinvestsPaused);  
}
```

Users can set cashback percent for their referrals up to 100%.

```
function setCashbackPercent(uint256 percent) public {  
    require(percent >= 0 && percent <= 100, "Cashback percentage must be between 0% and 100%");  
    walletData[msg.sender].cashbackPercent = percent;  
  
    emit CashbackPercentSet(msg.sender, percent);  
}
```



## Informational

NFT boost check data is taken from external contract which is **not** part of the current audit. NFT boost can be up to 2%.

```
uint256 public constant MAX_BONUS_NFT = 200;
nftBoosts.push(NFTBoost(25, "partner"));
nftBoosts.push(NFTBoost(25, "lazarusPit"));
nftBoosts.push(NFTBoost(25, "monstroFarmz"));
nftBoosts.push(NFTBoost(50, "monstroCastle"));
nftBoosts.push(NFTBoost(100, "monstroMonstro"));
nftBoosts.push(NFTBoost(150, "monstroVault"));
nftBoosts.push(NFTBoost(200, "monstroKingdom"));

function calculateNFTBoost(address wallet) public view returns (uint256) {
    uint256 boost = 0;

    // Loop through NFT boosts and apply them
    for (uint i = 0; i < nftBoosts.length; i++) {
        uint256 boostAmount = 0;

        // Use executeDataCheck with the correct check name
        boostAmount = contractChecker.executeDataCheck(nftBoosts[i].functionName, wallet);

        if (boostAmount > 0) {
            boost += nftBoosts[i].boost;
        }
    }

    // Apply maximum rate limit
    if (boost > MAX_BONUS_NFT) {
        boost = MAX_BONUS_NFT;
    }

    return boost;
}
```



RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## Monstro

### GOOD PRACTICES FOUND

- ✓ The owner cannot set a transaction limit



This is **ROI** dapp with daily ROI from 2% to 6%.  
Users can increase their daily ROI with NFT and more deposits. Base rate is 2%, NFT bonuses are up to 2% and deposit value bonuses are up to 2%.

Taxes are as follows:

5% on each claim – paid to team wallets

30% on each deposit – paid to team wallets

5% up to 20% on each deposit/reinvestment – paid to referral or team wallet (If referral is set as investor's address or address(0) on deposit, the rewards goes to team wallet)

There is referral system with tiers and each tier have different percent of referral rewards.

Referral rewards are ranging from 5% to 20%, depending on how much total BNB value investor brought to the ecosystem (via referrals).

*ROI dapps are usually subject to high volatility and considered as risk investments.*

**\*ROI** – Return of investment

*ROI dapps are usually subject to high volatility and considered as high risk investments.*

TOKENOMICS



# WEBSITE

## Website URL

<https://monstro.fun/>

## Domain Registry

<https://namecheap.com>

## Domain Expiration

2024-04-20

## Technical SEO Test

Passed

## Security Test

Passed. SSL certificate present

## Design

Very nice color scheme and overall layout.

## Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

## Whitepaper

Well written and explanatory documents page

## Roadmap

Yes, goals set

## Mobile-friendly?

Yes



# monstro.fun



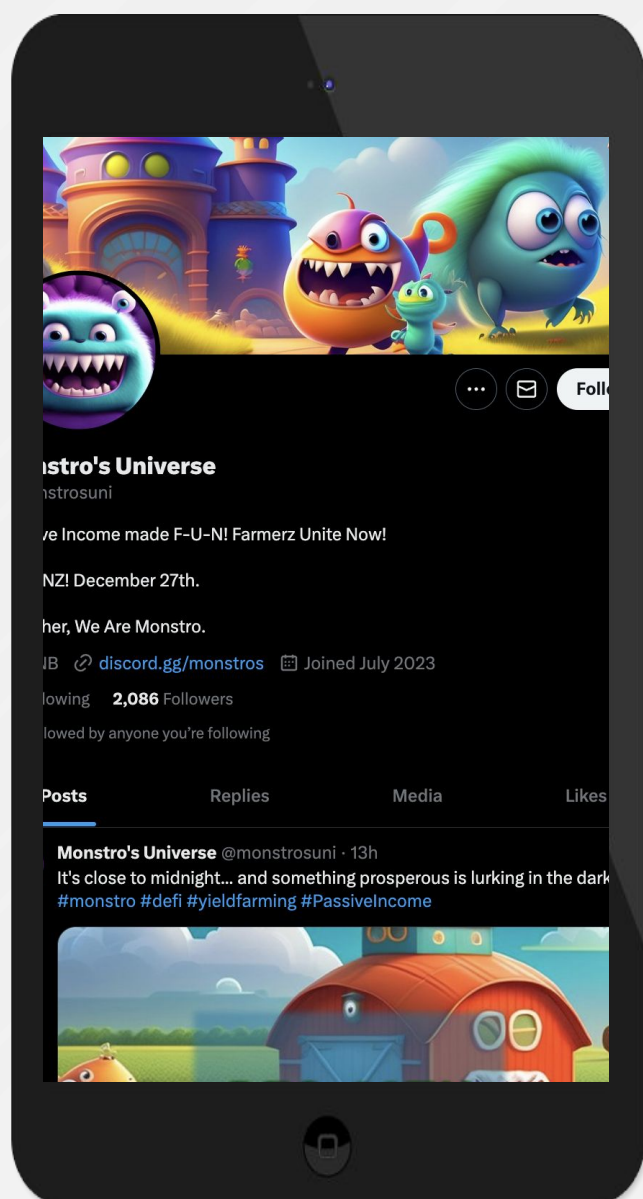


# SOCIAL MEDIA & ONLINE PRESENCE



## ANALYSIS

Project's social media pages are active



**Twitter**

@monstrosuni

- 2 059 followers
- Active
- Posts frequently



**Discord**

@monstros

- Not available



**Telegram**

@monstrosU

- 232 members
- Active members
- Active mods



**Medium**

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

## ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 700 SUCCESSFUL CLIENTS
- ✓ MORE THAN 1000 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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[t.me/joe\\_SpyWolf](https://t.me/joe_SpyWolf)

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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.